

log ΔY LABJND2–tristimulus value difference

log(ΔY) ΔY

1
10

$$L^* = (t/a) \ln [1 + b (Y/Y_u)]$$

a=0.3411 t=88.23 t/a=258.6 b=a · Y_u=6.14

tristimulus value difference

$$\log(dY) = \log [(s + q \cdot Y) / c]$$

$$= \log [(1 + b \cdot (Y/Y_u)) / t]$$

s=0.017 q=0.0058 c=1.5

-1
0,1

Y_u=18, dY_u=0.08, dY_u/Y_u=0.004

log(dY)=-1.09, m_u=0.86

application range

-2
-2

0,1
-1

0

Y_N=4 10

Y_u=18 100

2

log(Y)